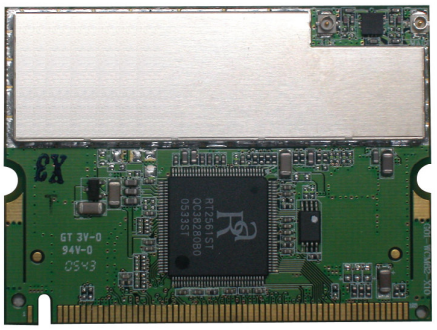
WCM6002

# 802.11a/b/g Wireless MiniPCI Card



The **WCM6002** is an IEEE802.11a/b/g standard miniPCI card that connects your notebook to a local wireless network. With 802.11a technique, The **WCM6002** can better expand the wireless connection efficiently compared with normal 802.11b/g products.

The **WCM6002** is a very small card that can fit into any notebook, handheld or desktop computer equipped with a Mini PCI (Type III B slot) interface for wireless network applications. It allows you to take full advantage of your notebook's mobility with access to real-time information and online services anytime and anywhere. It slides easily into the MINI PCI expansion slot to enable a wireless connection to your network.

## FEATURES

- III-b MiniPCI form factor
- Support 802.11a/b/g
- Complete Security Feature - WEP 64/128, WPA, WPA2, 802.1x and 802.11i
- Cisco CCX V1.0, V2.0 and V3.0 Compliance
- Advanced Quality of Service (QoS) - 802.11e, WMM
- Comprehensive OS support: Win98/SE/ME, Win2000, WinXP, WinCE 5.0, Linux 2.4.x/2.6.x, MAC OSX
- Support Linux AP Driver
- WiFi and WHQL Certification

## SPECIFICATIONS

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|---|---|
| **Standard** | IEEE 802.11a , 802.11b, 802.11g, Standard |
| **Host Interface** | MiniPCI Interface 1.0 |
| **Operating Voltage** | 3.3V ± 5% |
| **Power Requirement** | Operation at 11a<br>TX: 389mA,<br>Operation at 11b<br>TX: 375mA,<br>Operation at 11g<br>TX: 325mA,<br>Idle: 128mA |
| **RF Connector Type** | Diversity<br>Coaxial Connector |
| **Frequency Range** | 2.412GHz ~ 2.4835 GHz<br>5.15GHz ~ 5.724 GHz<br>5.725GHz ~ 5.825 GHz |
| **Number of Selectable Channels** | USA, Canada (FCC): 23 channels<br>Europe (CE): 32 channels (by region)<br>Japan (TELEC): 14 channels |
| **Modulation Technique** | 802.11b: Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)<br>802.11g/a: Orthogonal Frequency Division Multiplexing<br>(QAM64, QAM16, QPSK, BPSK) |

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|---|---|
| **Data Rate** | 802.11b (11Mbps, 5.5Mbps, 2Mbps, 1Mbps)<br>802.11g/a (54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps, 6Mbps) |
| **Security** | Hardware-Based Encryption/Decryption Using WEP 64/128, WPA, WPA2, 802.1x and 802.11i |
| **Output Power** | OFDM: 11~13 dBm (54Mbps/802.11a) (average)<br>OFDM: 13~15 dBm (54Mbps/802.11g) (average)<br>CCK: 16~18 dBm (11Mbps/802.11b) (average) |
| **Receiver Sensitivity** | -65dBm (54Mbps, 802.11a)<br>-80dBm (11Mbps, 802.11b)<br>-65dBm (54Mbps, 802.11g) |
| **Physical Specifications** | Weight: 12g<br>Dimension: 59.60 (L) x 44.6(W) mm |
| **Environment Specifications** | Operating Temperature: 0~60℃ ambient temperature<br>Storage Temperature: -20~70℃ ambient temperature<br>Operating humidity: 90% maximum (non-condensing)<br>Storage humidity: 90% maximum (non-condensing) |
| **EMC Certification** | FCC Part 15.247 in US<br>EN300328 and EN300826 (EN301489-17) in Europe |

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